

L Number	Hits	Search Text	DB	Time stamp
1	259	pyrido with (pyrimidin or pyrimidinyl or pyrimidine)	USPAT; US-PGPUB	2003/05/08 17:42

EAST
 update
 9/738,066

09/ 738,066

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NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
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now available on STN
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NEWS 17 Dec 17 TOXCENTER enhanced with additional content
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 20 Feb 13 CANCERLIT is no longer being updated
NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFULL now contains images
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NEWS 27 Mar 19 APOLLIT offering free connect time in April 2003
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NEWS 29 Mar 24 PATDPAFULL now available on STN
NEWS 30 Mar 24 Additional information for trade-named substances without
structures available in REGISTRY
NEWS 31 Apr 11 Display formats in DGENE enhanced
NEWS 32 Apr 14 MEDLINE Reload
NEWS 33 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 34 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 35 Apr 21 New current-awareness alert (SDI) frequency in
WPIDS/WPINDEX/WPIX
NEWS 36 Apr 28 RDISCLOSURE now available on STN
NEWS 37 May 05 Pharmacokinetic information and systematic chemical names
added to PHAR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 17:30:53 ON 08 MAY 2003

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:31:02 ON 08 MAY 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 MAY 2003 HIGHEST RN 511677-22-8

DICTIONARY FILE UPDATES: 7 MAY 2003 HIGHEST RN 511677-22-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 09738066.str

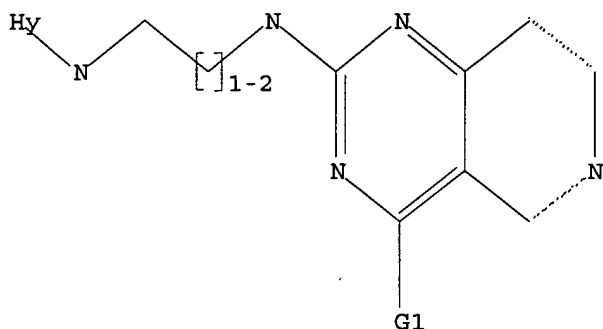
L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

09/ 738,066



G1 O,N,Cy

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 17:31:24 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 6457 TO ITERATE

100.0% PROCESSED 6457 ITERATIONS

12 ANSWERS

SEARCH TIME: 00.00.01

L2 12 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.15

148.36

FILE 'CAPLUS' ENTERED AT 17:31:34 ON 08 MAY 2003

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FILE COVERS 1907 - 8 May 2003 VOL 138 ISS 19

FILE LAST UPDATED: 7 May 2003 (20030507/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2

L3

1 L2

=> d l3 1- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

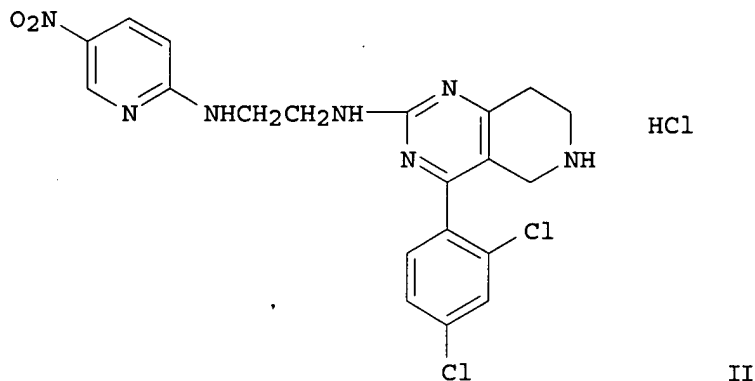
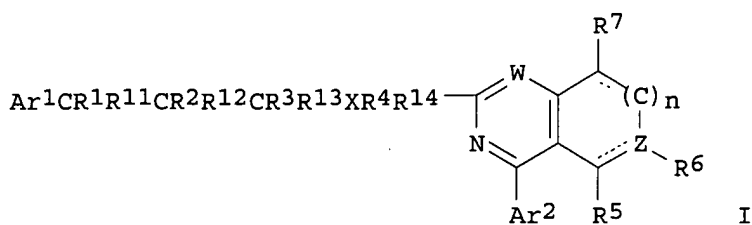
09/ 738,066

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:453065 CAPLUS
DOCUMENT NUMBER: 135:46199
TITLE: Bicyclic inhibitors of glycogen synthase kinase 3
INVENTOR(S): Nuss, John M.; Zhou, Xiaohui A.
PATENT ASSIGNEE(S): Chiron Corp., USA
SOURCE: PCT Int. Appl., 63 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001044246	A1	20010621	WO 2000-US34049	20001214
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1240168	A1	20020918	EP 2000-989272	20001214
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 2001044436	A1	20011122	US 2000-738066	20001215
US 2003008866	A1	20030109	US 2002-228621	20020826
PRIORITY APPLN. INFO.:			US 1999-172403P P	19991217
			WO 2000-US34049 W	20001214
			US 2000-738066 A1	20001215
OTHER SOURCE(S):	MARPAT 135:46199			
GI				

Applicant's



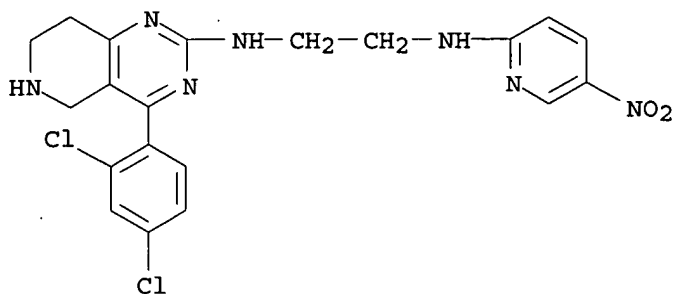
AB Bicyclic compds. I [W,X, Y, Z = (un)substituted C, N, S; n = 0-2; Ar1, Ar2 = (un)substituted aryl, aryloxy, arylamino, heteroaryl; R1-R4 = H, (un)substituted OH, alkyl, cycloalkyl, amino, acyl, aryl, heteroaryl; R11-R14 = H, (un)substituted alkyl; R5-R7 = H, OH, halo, CO2H, NO2, CN, (un)substituted alkyl, cycloalkyl, heterocyclyl, alkoxy, aryl, acyl, acyloxy, amino, amido, amidino, imido, arylsulfonyl, arylsulfonamido] were prepd. for use in inhibiting the activity of glycogen synthase kinase (GSK3) in vitro and a treatment of GSK3 mediated disorders in vivo, such as diabetes, Alzheimer's disease and other neurodegenerative disorders, obesity, atherosclerotic cardiovascular disease, essential hypertension, polycystic ovary syndrome, syndrome X, ischemia, traumatic brain injury, bipolar disorder, immunodeficiency or cancer. Thus, the pyridopyrimidine II was prepd. from Me 4-oxo-3-piperidinecarboxylate in 7 steps. I have IC50 against GSK3 of .1 to req. 1 .mu.M.

IT 344958-30-1P 344958-31-2P 344958-32-3P
344958-35-6P 344958-38-9P 344958-43-6P
344958-44-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyridopyrimidines as inhibitors of glycogen synthase kinase 3)

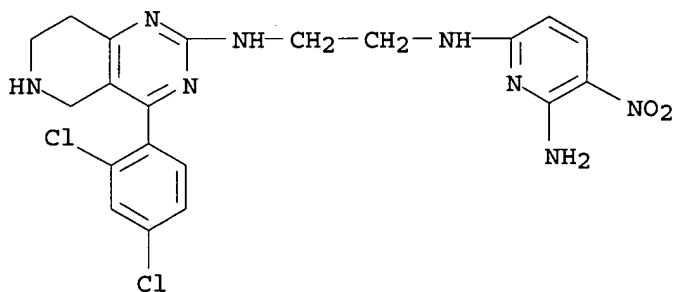
RN 344958-30-1 CAPLUS
CN 1,2-Ethanediamine, N-[4-(2,4-dichlorophenyl)-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidin-2-yl]-N'-(5-nitro-2-pyridinyl)-, hydrochloride (9CI) (CA INDEX NAME)

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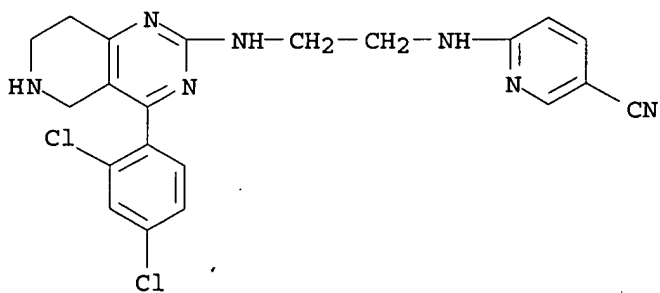
●x HCl

RN 344958-31-2 CAPLUS
CN 2,6-Pyridinediamine, N6-[2-[[4-(2,4-dichlorophenyl)-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidin-2-yl]amino]ethyl]-3-nitro-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

RN 344958-32-3 CAPLUS
CN 3-Pyridinecarbonitrile, 6-[[2-[[4-(2,4-dichlorophenyl)-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidin-2-yl]amino]ethyl]amino]-, hydrochloride (9CI) (CA INDEX NAME)

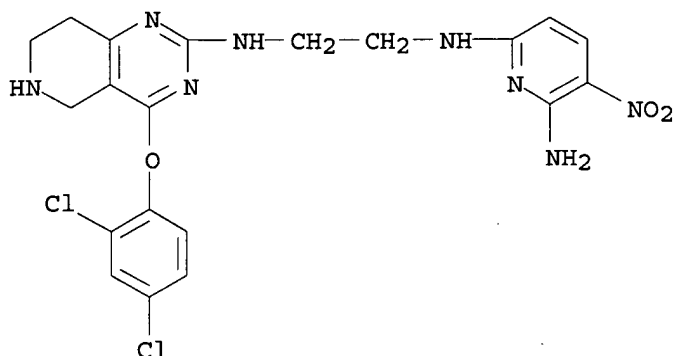


●x HCl

09/ 738,066

RN 344958-35-6 CAPLUS

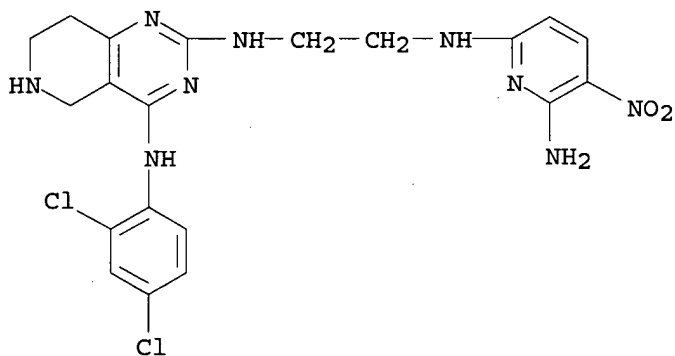
CN 2,6-Pyridinediamine, N6-[2-[[4-(2,4-dichlorophenoxy)-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidin-2-yl]amino]ethyl]-3-nitro-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

RN 344958-38-9 CAPLUS

CN Pyrido[4,3-d]pyrimidine-2,4-diamine, N2-[2-[(6-amino-5-nitro-2-pyridinyl)amino]ethyl]-N4-(2,4-dichlorophenyl)-5,6,7,8-tetrahydro-, hydrochloride (9CI) (CA INDEX NAME)

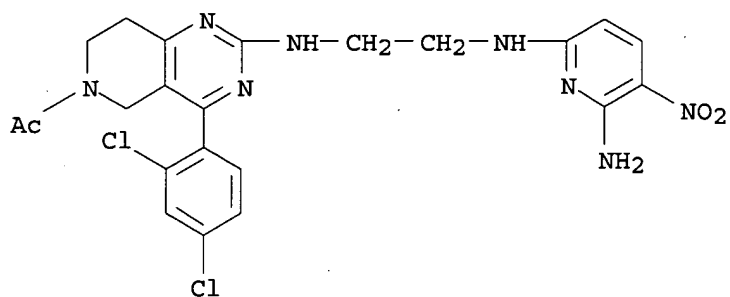


●x HCl

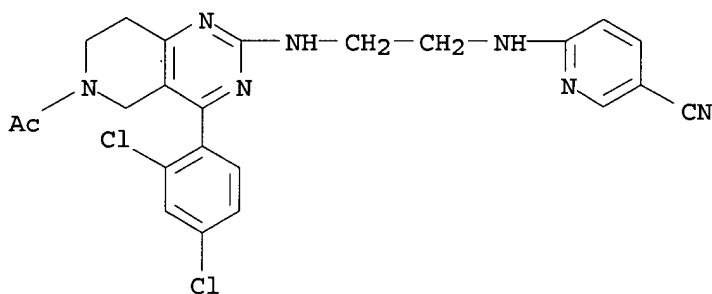
RN 344958-43-6 CAPLUS

CN Pyrido[4,3-d]pyrimidin-2-amine, 6-acetyl-N-[2-[(6-amino-5-nitro-2-pyridinyl)amino]ethyl]-4-(2,4-dichlorophenyl)-5,6,7,8-tetrahydro- (9CI) (CA INDEX NAME)

09/ 738,066

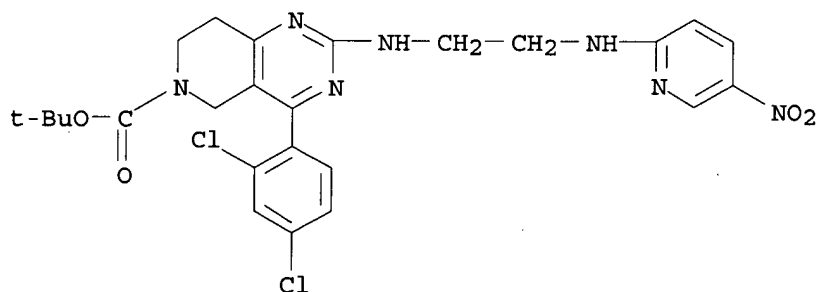


RN 344958-44-7 CAPLUS
CN Pyrido[4,3-d]pyrimidin-2-amine, 6-acetyl-N-[2-[(5-cyano-2-pyridinyl)amino]ethyl]-4-(2,4-dichlorophenyl)-5,6,7,8-tetrahydro- (9CI)
(CA INDEX NAME)



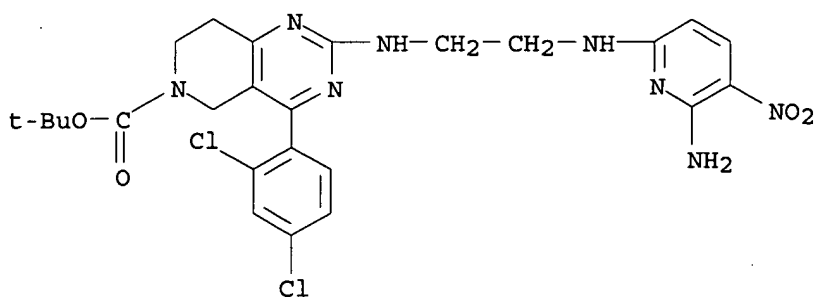
IT 344958-45-8P 344958-46-9P 344958-47-0P
344958-48-1P 344958-49-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. of pyridopyrimidines as inhibitors of glycogen synthase kinase
3)

RN 344958-45-8 CAPLUS
CN Pyrido[4,3-d]pyrimidine-6(5H)-carboxylic acid, 4-(2,4-dichlorophenyl)-7,8-dihydro-2-[[2-[(5-nitro-2-pyridinyl)amino]ethyl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



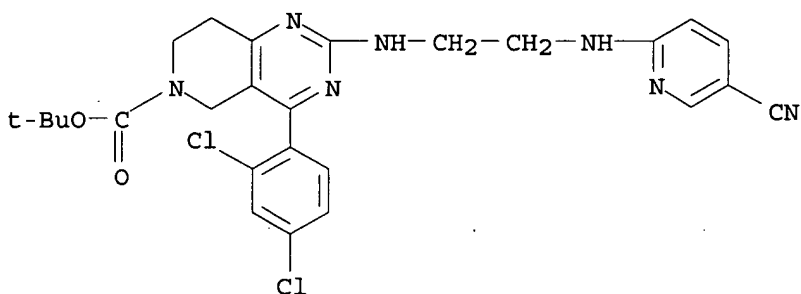
RN 344958-46-9 CAPLUS
CN Pyrido[4,3-d]pyrimidine-6(5H)-carboxylic acid, 2-[[2-[(6-amino-5-nitro-2-pyridinyl)amino]ethyl]amino]-4-(2,4-dichlorophenyl)-7,8-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

09/ 738,066



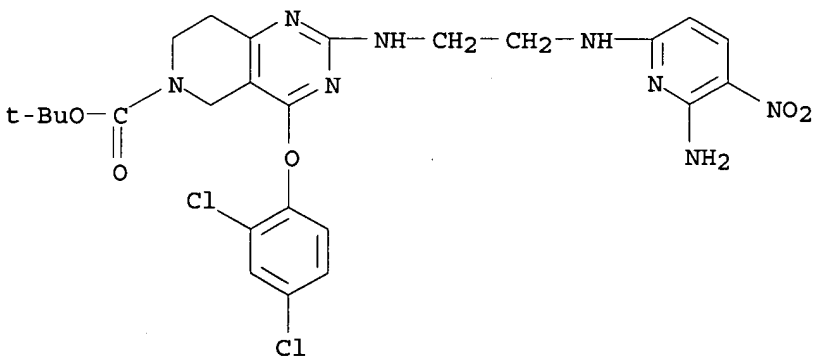
RN 344958-47-0 CAPLUS

CN Pyrido[4,3-d]pyrimidine-6(5H)-carboxylic acid, 2-[[2-[(5-cyano-2-pyridinyl)amino]ethyl]amino]-4-(2,4-dichlorophenyl)-7,8-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 344958-48-1 CAPLUS

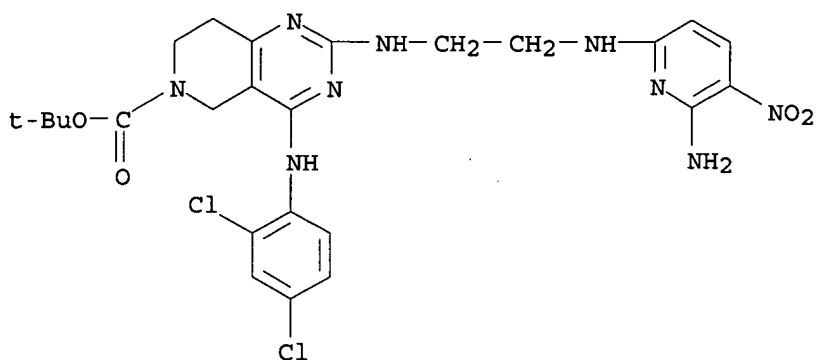
CN Pyrido[4,3-d]pyrimidine-6(5H)-carboxylic acid, 2-[[2-[(6-amino-5-nitro-2-pyridinyl)amino]ethyl]amino]-4-(2,4-dichlorophenoxy)-7,8-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 344958-49-2 CAPLUS

CN Pyrido[4,3-d]pyrimidine-5(6H)-carboxylic acid, 2-[[2-[(6-amino-5-nitro-2-pyridinyl)amino]ethyl]amino]-4-[(2,4-dichlorophenyl)amino]-7,8-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

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REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 17:30:53 ON 08 MAY 2003)

FILE 'REGISTRY' ENTERED AT 17:31:02 ON 08 MAY 2003

L1 STRUCTURE UPLOADED

L2 12 S L1 FUL

FILE 'CAPLUS' ENTERED AT 17:31:34 ON 08 MAY 2003

L3 1 S L2

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
4.95	153.31

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.65	-0.65

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STN INTERNATIONAL LOGOFF AT 17:32:12 ON 08 MAY 2003